

Interregional partnership for Smart Specialisation on MARINE RENEWABLE ENERGY



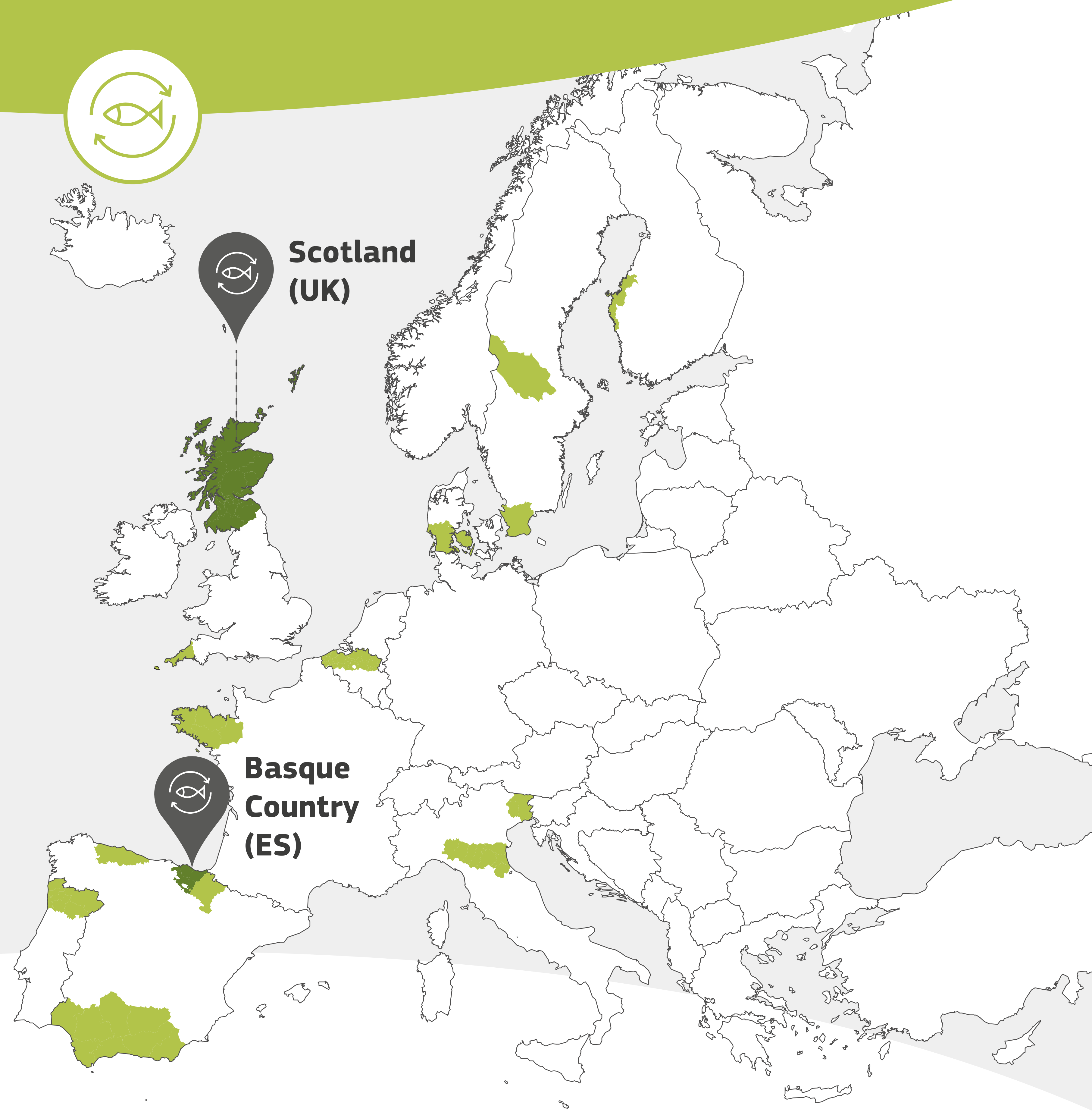
Leaders

Led by **Scotland** (UK) and **Basque Country** (ES), the partnership engages the participation of

16 REGIONS

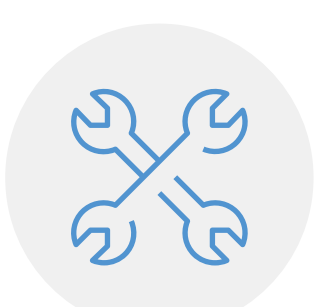
EU regions have worked together since 2014, helping companies across Europe strengthen their supply chains and helping smaller companies to grow their businesses.

Scotland and the Basque Country have led this work, and are extending the approach to other leading regions in Europe in the development of marine renewable energy (MRE).

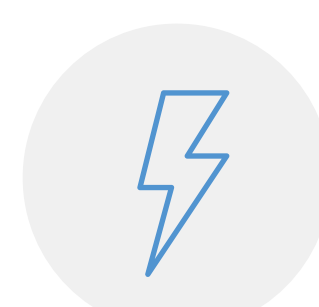


Reference topics

The S3 interregional partnership in MRE aims to pool regional resources and expertise in order to create new business opportunities and increased growth for the MRE sector, with a focus on identifying and solving the key industrial challenges of the sector, in areas such as:



Manufacturing of large **components**



Power transfer and conversion



Corrosion in water



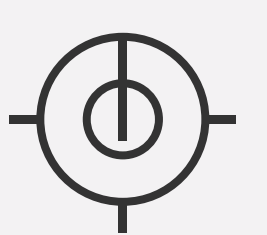
Sensing, instrumentation and monitoring



O&M (operation & maintenance) optimisation



Testing and demonstration in real environments



Key factors



1

Ocean energy is recognised as a **key low-carbon technology for Europe**. It has potential to deliver significant economic development and create high-value jobs, especially in those regions of Europe with traditional Blue Growth industries.



2

It is estimated that 100GW of ocean energy capacity could be deployed in Europe by 2050, equal to **10% of the total estimated EU energy demand**, and thus avoiding the equivalent of 276m tonnes of CO₂ emissions per year.



3

Marine Renewable Energy lies at the heart of EU regions' Smart Specialisation Strategies, and the partnership brings together partners with a **strong track record of cooperation** and collaboration in the Advanced Manufacturing for Energy Related Applications (ADMA Energy Pilot) of the Vanguard Initiative (VI).

